| Index of Claims |          |            |           |              |              |          |  |  |                              |          |          |       |          | Application No.  10/617,187  Examiner |         |               |               |  |              |          |          |     |       | Applicant(s)  KIM, KYUNG-HOO |                 |          |         |              |              |          |                 |
|-----------------|----------|------------|-----------|--------------|--------------|----------|--|--|------------------------------|----------|----------|-------|----------|---------------------------------------|---------|---------------|---------------|--|--------------|----------|----------|-----|-------|------------------------------|-----------------|----------|---------|--------------|--------------|----------|-----------------|
|                 |          |            |           |              |              |          |  |  |                              |          |          |       |          |                                       |         |               |               |  |              |          |          |     |       | Art Unit                     |                 |          |         |              | Т            |          |                 |
|                 |          |            |           |              |              |          |  |  |                              |          |          |       |          |                                       |         | Cassandra Cox |               |  |              |          |          |     |       |                              |                 | 2816     |         |              |              |          |                 |
|                 | 1        |            |           |              |              |          | 1  |  | П                            |          | The      | .0110 | h n      | ume                                   | ral     | `             | 1             | Г  |              |          |          |     |       | }                            | ГТ              |          |         |              |              |          | ]               |
|                 |          | √ Rejected |           |              |              |          |  |  | (Through numer<br>Cancelled  |          |          |       |          | ۵.,                                   |         | N             | 1             | Non-Elected                                      |              |          | ted      |     | A     | Appeal                       |                 |          |         |              |              |          |                 |
|                 |          | =          | = Allowed |              |              |          |  | ÷  | Restricted                   |          |          |       |          |                                       |         | ı             | Interferer    |  |              | ren      | ice      |     | 0     | Objected                     |                 |          |         |              |              |          |                 |
| Cla             | im       |            |           | -            | -            | Dat      | е  |  |                              | $\neg$   | Г        | Clair | n        |                                       |         |               | Date          | e  | _            |          | $\neg$   |     | Cli   | aim                          | Γ               |          |         | Date         |              |          |                 |
|                 |          | _          | Г         | Γ            | Г            | Ť        | Ť  |  |                              |          |          | -     |          |                                       | Т       |               |               |  |              |          |          |     |       |                              | П               |          | Τ       | Т            |              |          |                 |
| Final           | Original | 7/11/04    |           | ;            |              |          |  |  |                              |          |          | Final | Original |                                       |         |               |               |  |              |          |          |     | Final | Original                     |                 |          |         |              |              |          |                 |
| $\dashv$        | 1        | =          | -         | <del> </del> | ┢╌           | ├        | -  | ┢╾   | $\vdash$                     | $\dashv$ | $\vdash$ |       | 51       | +                                     | +       | +             | ┢             | +  | ┢            | +        | $\vdash$ |     |       | 101                          | $\vdash$        | _        | -       | ╁            |              |          | $\vdash$        |
| _               | 2        | =          | ┢         |              | T            | $\vdash$ |  | ┢  |                              |          |          |       | 52       |                                       | ╅       | ╅             | Г             | $\vdash$   | ┢            | $\top$   | $\vdash$ |     |       | 102                          |                 |          | 1       |              |              | -        |                 |
|                 | 3        | =          |           |              |              |          |  |  | 7                            |          | - 1      |       | 53 -     |                                       |         |               |               |  |              |          |          | -   |       | 103                          |                 |          |         |              |              |          |                 |
|                 | 4        | =          |           |              |              |          |  |  |                              |          |          |       | 54       |                                       |         |               |               |  | L.           |          |          |     |       | 104                          |                 |          |         | <u> </u>     | L            | $\Box$   |                 |
| _               | 5        | =          | <u> </u>  | <u> </u>     | ļ            | <u> </u> | <u> </u>   | <b>├</b>   | _                            | 4        | _        | -+    | 55       | $\perp$                               | - -     | +-            | _             | ـ  | <u> </u>     | -        | Щ        |     |       | 105                          | $\vdash \vdash$ |          | +       | ╁-           |              | -        |                 |
| -               | 6<br>7   | =          |           | <u> </u>     | ├-           | ┼—       | <u> </u>   | ├  | $\vdash$                     | -        | $\vdash$ |       | 56<br>57 | +                                     | ╀       | +             | ├             | ╁  |              | -        | $\vdash$ |     |       | 106<br>107                   |                 | +        | +-      | +            | _            | <u> </u> | $\vdash$        |
| $\dashv$        | 8        | =          | ├         | -            | ├            | ╁╌       | ├  | ├─   | Н                            | $\dashv$ | $\vdash$ |       | 58       |                                       | ╬       | ╁             | ├             | $\vdash$   | ⊢            | +        | $\vdash$ |     |       | 107                          | $\vdash$        | -        | ╁       | +            | $\vdash$     | $\vdash$ | $\vdash$        |
| $\neg$          | 9        | =          | $\vdash$  | _            | -            | $\vdash$ | <del>                                     </del> | ┢  | Н                            | $\dashv$ | -        |       | 59       | -                                     | ╅       | ╁             | $\vdash$      | ╁  | <del> </del> | +-       | $\dashv$ |     |       | 109                          | H               | $\dashv$ | +       | +            |              |          | H               |
|                 | 10       | =          | ┰         |              | $\vdash$     | 1        | T  | $\vdash$   | П                            | ᅱ        |          |       | 30       | -                                     | ┪       | 1             | $\vdash$      | T  |              | <b>†</b> | $\neg$   |     | -     | 110                          | -               |          | +-      |              |              |          |                 |
|                 | 11       | =          |           |              |              |          | Ī  |  |                              | ヿ        |          |       | 31       |                                       | T       | 1             |               |  |              |          |          |     |       | 111                          |                 |          |         |              |              |          |                 |
|                 | 12       | =          |           |              |              |          |  |  |                              |          |          |       | 62       |                                       | $\perp$ |               |               |  |              |          |          |     |       | 112                          | Ц               |          |         |              |              |          | Ц               |
| _               | 13       | =          | _         |              |              | _        |  | <u> </u>   | Ш                            | ᆜ        |          |       | 33       |                                       | ┸       | _             |               |  | _            | 1        | Щ        |     |       | 113                          | Ш               |          | $\perp$ | 上            | $oxed{oxed}$ |          | Ц               |
| 4               | 14       | =          | _         | <u> </u>     | 1            | <u> </u> |  | <u> </u>   |                              | _        | $\vdash$ |       | 34       | $\dashv$                              | 1       | $\bot$        | _             | 1  | _            |          | Щ        |     |       | 114                          |                 | $\perp$  | ╀       | $\perp$      | ļ            |          | $\sqcup$        |
| $\dashv$        | 15       | =          | _         | _            | ├            | ├        | _  | ├  | -                            | $\dashv$ | -        |       | 35<br>36 |                                       | +-      | +-            | ├             | -  | -            | -        | $\dashv$ |     |       | 115                          | $\vdash$        | -        | ╁       | ╁            | _            | -        |                 |
| $\dashv$        | 16<br>17 | =          | -         | -            | ┼            | +-       | -  | -  | H                            | $\dashv$ | -        |       | 37       | $\dashv$                              | +-      | +             | -             | ┼  | -            | +-       | $\vdash$ |     |       | 116<br>117                   | $\vdash$        | +        | +       | +            | $\vdash$     | $\vdash$ | $\vdash \vdash$ |
| -               | 18       | =          |           |              | $\vdash$     | $\vdash$ | H  | $\vdash$   | Н                            | $\dashv$ | $\vdash$ |       | 37<br>38 | +                                     | +       | +-            | -             | <del> </del>                                     | -            | +        | $\dashv$ |     |       | 118                          | $\vdash \vdash$ | +        | +       | $\vdash$     |              | $\vdash$ | $\vdash$        |
| $\dashv$        | 19       | =          |           |              |              | $\vdash$ | ┢  | $\vdash$   | $\vdash$                     | $\dashv$ | 一        |       | 39       | $\dashv$                              | $\top$  | +-            | $\vdash$      | †  | T            | +        | $\dashv$ |     |       | 119                          | -               | +        | $\top$  | +            |              | $\vdash$ | $\vdash$        |
|                 | 20       | =          | L         |              |              |          |  |  |                              |          |          |       | 70       |                                       |         | T             | Г             |  |              |          |          | * 1 |       | 120                          |                 |          | T       |              |              |          |                 |
|                 | 21       |            |           |              |              |          |  |  |                              |          |          |       | 71       |                                       |         | $\prod$       |               |  |              |          |          |     |       | 121                          |                 |          | $\top$  |              |              |          |                 |
| _]              | 22       |            |           | L            |              | L        |  |  |                              | $\Box$   |          |       | 72       |                                       |         |               |               |  |              |          |          |     |       | 122                          | $\Box$          | $\perp$  |         |              |              |          |                 |
| _               | 23       |            | <u> </u>  | _            | <u> </u>     | <u> </u> | _  | _  | $\sqcup$                     | _        | $\perp$  |       | 73       | _                                     | 4       | 4-            | <u> </u>      | <del> </del>                                     | <u> </u>     | <u> </u> | Щ        |     |       | 123                          | $\sqcup$        |          | $\bot$  | $\perp$      | _            | Ш        | Щ               |
| $\dashv$        | 24<br>25 |            | H         | ļ            | -            | -        | -  | -  | $\left  \cdot \cdot \right $ | $\dashv$ | 1        |       | 74<br>75 |                                       | +       | +             | <del> ,</del> | -  | -            | $\vdash$ | $\vdash$ |     |       | 124<br>125                   | ┝╌┼             | +        | +       | +            | Н            | H        | $\vdash$        |
|                 | 26       | _          | -         | <del> </del> | $\vdash$     | $\vdash$ | -  | -  | $\vdash$                     |          | $\vdash$ |       | 76       | +                                     | +       | +             |               | $\vdash$   | $\vdash$     | H        | $\vdash$ |     |       | 125                          | $\vdash \vdash$ | +        | +-      | +            | -            | Н        | $\vdash$        |
| -               | 27       |            | -         | -            | <del> </del> | $\vdash$ | -  | <del>                                     </del> | $\vdash$                     | $\dashv$ | -        |       | 77       | $\dashv$                              | +       | +             | $\vdash$      | <del>                                     </del> | $\vdash$     | +        | $\vdash$ |     |       | 127                          | $\vdash$        | +        | ╁       | +            | -            | $\vdash$ | $\vdash$        |
| $\dashv$        | 28       | _          | $\vdash$  | _            | $\vdash$     | $\vdash$ | $\vdash$   | $\vdash$   | $\vdash$                     | $\dashv$ |          |       | 78       | +                                     | +       | +             |               | 1  |              | +        | $\dashv$ | ,   | i     | 128                          |                 | +        | +       | +            | H            | H        | $\vdash$        |
| $\neg$          | 29       |            | $\vdash$  |              |              | $\vdash$ |  | Г  | Н                            | $\dashv$ |          |       | 79       | $\top$                                | $\top$  | $\top$        |               | 1  | <u> </u>     | $\top$   | $\dashv$ |     |       | 129                          | $\vdash$        | $\dashv$ | +       | T            | П            | -        | $\vdash$        |
|                 | 30       | _          |           |              |              |          |  |  |                              |          |          |       | 30       | _ -                                   |         | T             |               |  |              |          |          |     |       | 130                          |                 |          |         | $\top$       |              |          |                 |
|                 | 31       | _          |           |              |              |          |  |  |                              |          |          |       | 31       |                                       | I       |               |               |  |              |          |          |     |       | 131                          |                 |          |         |              |              |          |                 |
| $\Box$          | 32       |            |           |              |              |          |  |  |                              |          |          |       | 32       |                                       | $\perp$ |               |               |  |              | $\Box$   |          |     |       | 132                          | Ш               | $\bot$   |         |              |              |          |                 |
| _               | 33       |            |           |              |              | _        | _  |  | $\sqcup$                     | $\dashv$ | L        |       | 33       |                                       | 4       |               | <u> </u>      | <u> </u>   | <u> </u>     | Ш        | Ш        |     |       | 133                          | Ш               | $\perp$  | _       | $oxed{oxed}$ | Ш            | Ш        | Ш               |
| ı               | 34       |            | ı         |              |              |          | L  |  |                              | $\Box$   |          |       | 34       |                                       | $\perp$ |               | _             | $oxed{oxed}$                                     | _            | $\perp$  |          | . [ |       | 134                          | Ш               |          | $\bot$  |              | Ш            |          | Ш               |